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# U.S. Army Influenza Activity Report

Week Ending 18 January 2014 (Week 3)

## 2013-2014 Seasonal Influenza Vaccination Coverage

As of 22 JAN 2014

93%	DOD
97%	Army Active Duty
90%	Army Guard
80%	Army Reserve

**SYNOPSIS:** During week three, influenza-like illness activity remained elevated in most of the country. Key indicators reflecting severity, such as hospitalizations, also remained elevated though cases have decreased since the peak in week one. Dependents were the most severely affected.

- **ILI Activity:** Army incident ILI outpatient visits in week three were 25% lower than for the same week last year.
- **Influenza cases:** Eight hospitalized influenza cases have been reported to USAPHC through DRSi in week three. To date, 57 cases have been reported during this influenza season: eight in Active Duty (AD) Service Members (SMs) and 49 in non-AD beneficiaries.
- **Viral specimens:** During week three, 577 of 1,904 (30%) laboratory specimens tested positive for respiratory pathogens. Most of the influenza A positive specimens have been from SRMC (56%), while NRMC and WRMC accounted for 25% and 13%, respectively.

## Geographic Spread



## United States

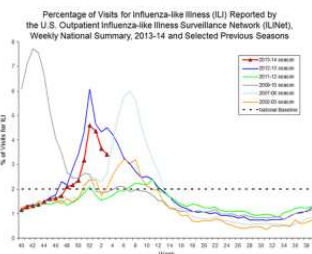
- In week three, 49 states and Puerto Rico reported widespread or regional activity, while DC reported only local influenza activity. Hawaii and Guam reported sporadic influenza activity, and the US Virgin Islands reported none. The predominate strain remains H1N1.

## World Health Organization

- Influenza activity in Eastern Asia continues to increase. In China, influenza activity has been elevated, with influenza (H1N1)pdm09, A (H3N2) and influenza B circulating.

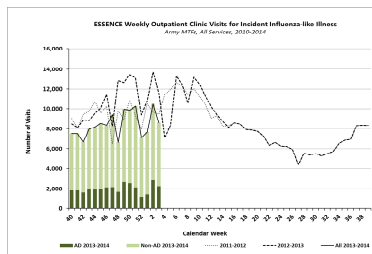


## ILI Activity United States



- In week three, 3.4% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 1.7 to 5.6% across regions.

## ILI Activity Army



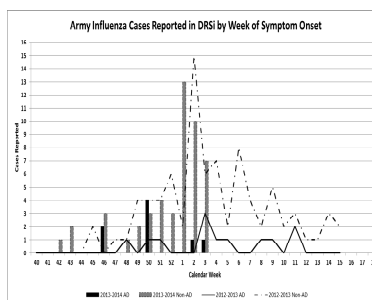
- During week three, incident ILI activity was 25% lower than the same time last year and 9% lower than the 2011-2012 season.
- AD SMs accounted for 26% of incident ILI clinic visits during week three; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2013-14					
Test Result	Week 52	Week 1	Week 2	Week 3	Total
Influenza A	412	304	413	476	2480
Influenza B	4	5	6	1	47
Adenovirus	11	7	12	10	131
Enterovirus	1	3	4	1	12
Parainfluenza	6	5	9	12	203
RSV	75	52	65	77	698
Negative	899	901	1281	1327	10735
Total Results	1408	1277	1790	1904	6379

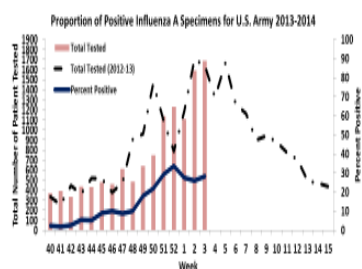
- In week three, 30% (577) of respiratory specimens were positive.
- Influenza A accounted for 82% of positive specimens.
- RSV accounted for 13% of positive specimens, adenovirus for 2%, and parainfluenza for 2%. Influenza B accounted for <1% of positive specimens.

## DRSi Influenza Case Reporting



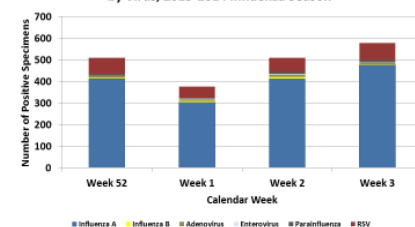
- In week three, eight cases of influenza-associated hospitalizations were reported in DRSi, seven of which were non-AD beneficiaries.
- Fifty-seven hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 51 hospitalized influenza cases were reported.

## Laboratory Testing for Influenza A



- 28% of influenza A tests in week three were positive. This is a slight increase from week two (26%).
- In week three, 373 of the 476 (78%) positive influenza A specimens were reported in non-AD personnel.
- SRMC reported 265 (56%) of the total influenza cases. NRMC reported 121 (25%) positive influenza A specimens, and WRMC reported 61 (13%). PRMC reported 21 cases (4%) and ERM reported 8 cases (2%).
- CENTCOM reported zero positive influenza A specimens.

Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



**Additional Resources:** [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#); [WHO](#)  
**Key:** ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

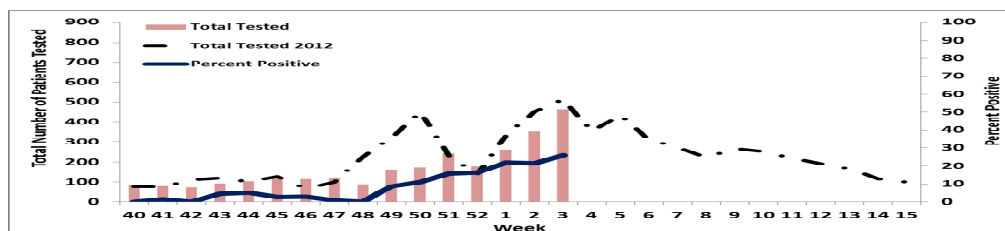
## Questions?

Email [USAPHC-DEP](mailto:USAPHC-DEP)  
410-417-3774

# U.S. Army Influenza Activity Report

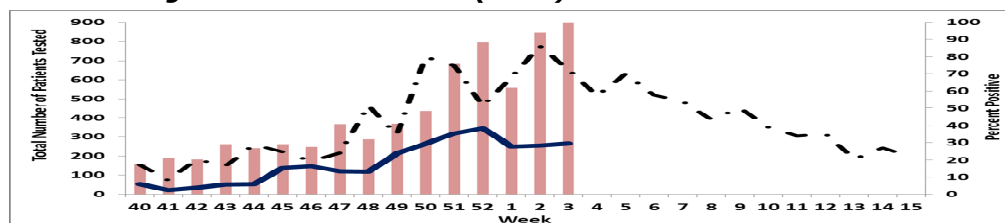
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

## Northern Regional Medical Command (NRMC)



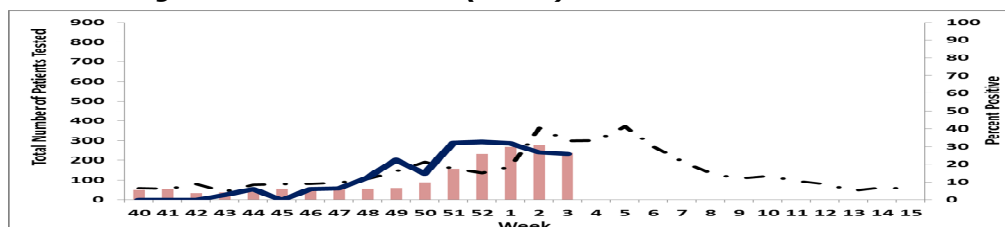
Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	59	169
18-29	19	9	75
30-39	7	10	52
40-49	3	6	33
50-59	1	4	21
60+	1	2	21
<b>Total</b>	<b>31</b>	<b>90</b>	<b>371</b>

## Southern Regional Medical Command (SRMC)



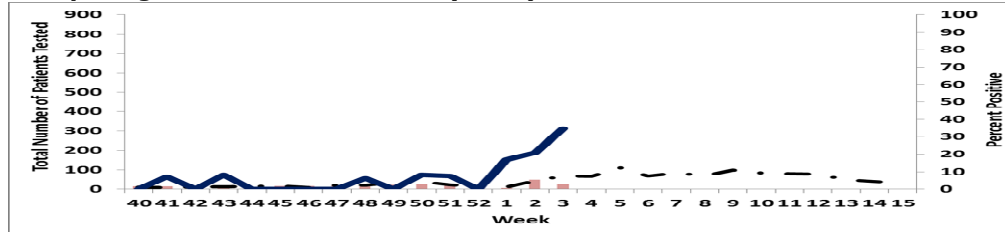
Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	111	723
18-29	25	25	276
30-39	14	27	218
40-49	13	14	152
50-59	2	16	151
60+	0	18	117
<b>Total</b>	<b>54</b>	<b>211</b>	<b>1637</b>

## Western Regional Medical Command (WRMC)



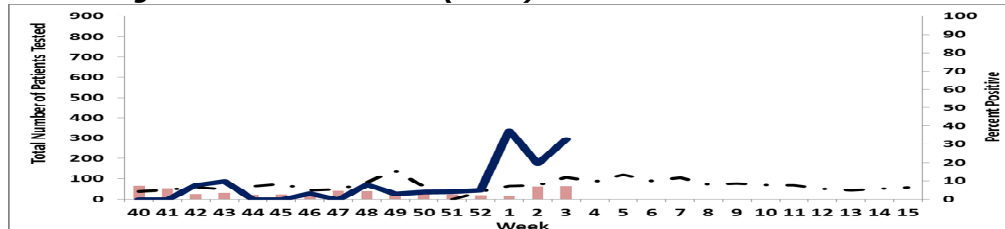
Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	34	203
18-29	2	6	75
30-39	3	3	33
40-49	8	2	42
50-59	0	1	25
60+	0	2	14
<b>Total</b>	<b>13</b>	<b>48</b>	<b>392</b>

## Europe Regional Medical Command (ERMC)



Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	4	7
18-29	1	0	5
30-39	1	0	7
40-49	1	0	4
50-59	0	1	3
60+	0	0	0
<b>Total</b>	<b>3</b>	<b>5</b>	<b>26</b>

## Pacific Regional Medical Command (PRMC)



Week 3			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	10	21
18-29	0	2	10
30-39	0	1	5
40-49	2	2	6
50-59	0	4	6
60+	0	0	4
<b>Total</b>	<b>2</b>	<b>19</b>	<b>52</b>

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 48		Week 49		Week 50		Week 51		Week 52		Week 1		Week 2		Week 3	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	0	0	3	11	3	16	3	35	2	27	6	51	32	44	31	90
SRMC	2	35	9	79	18	110	26	215	33	272	18	136	63	177	54	211
WRMC	1	6	1	12	2	11	3	47	8	68	8	78	7	68	13	48
ERMC	0	1	0	0	2	0	1	1	0	0	0	1	6	4	3	5
PRMC	0	3	0	1	0	1	0	1	0	1	1	5	4	8	2	19
CENTCOM	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0

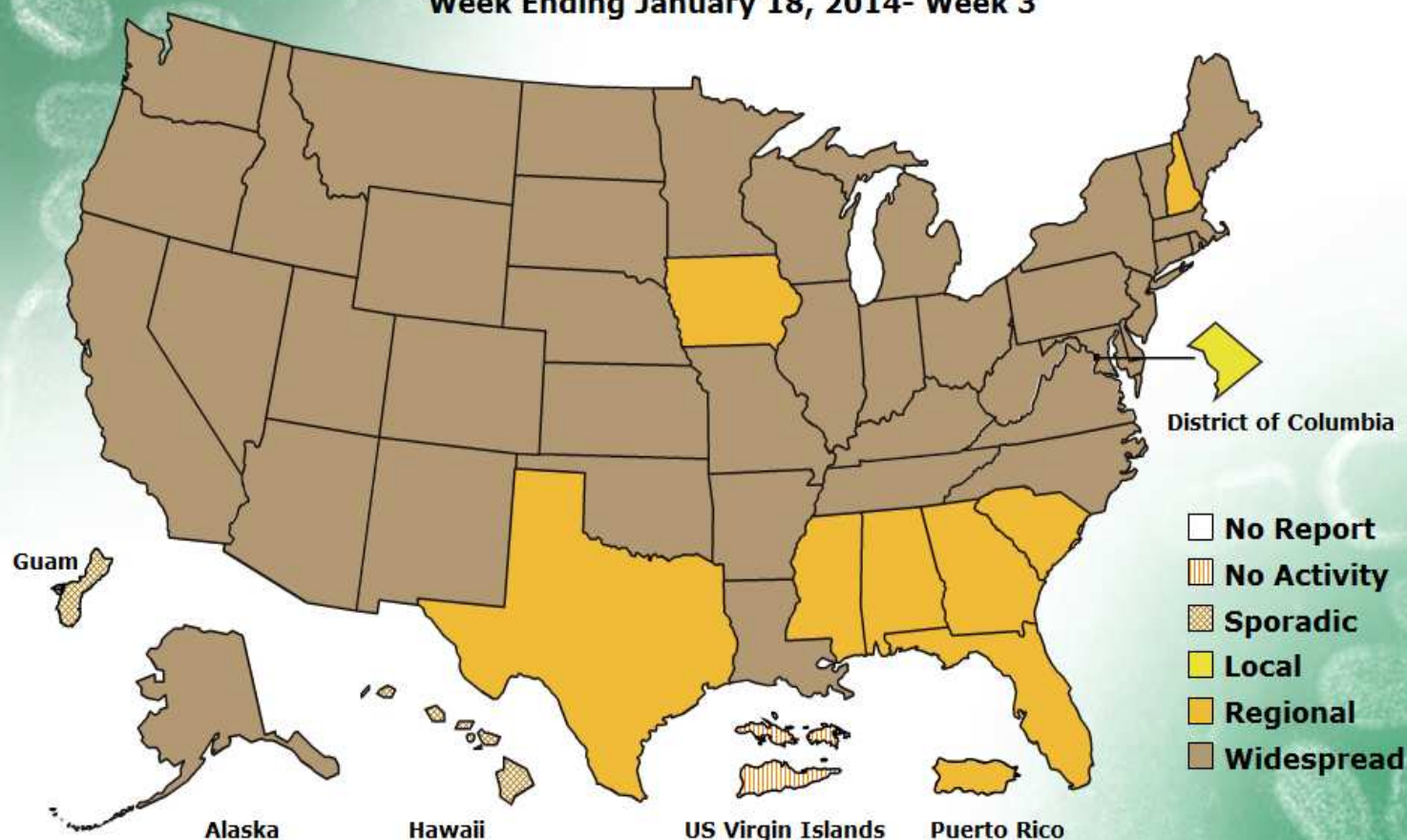
**Locations providing week 3 laboratory data as of 23 January 2014:** Korea, Ft Belvoir, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, and West Point.

# FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

**Week Ending January 18, 2014- Week 3**



[«Previous Week](#)

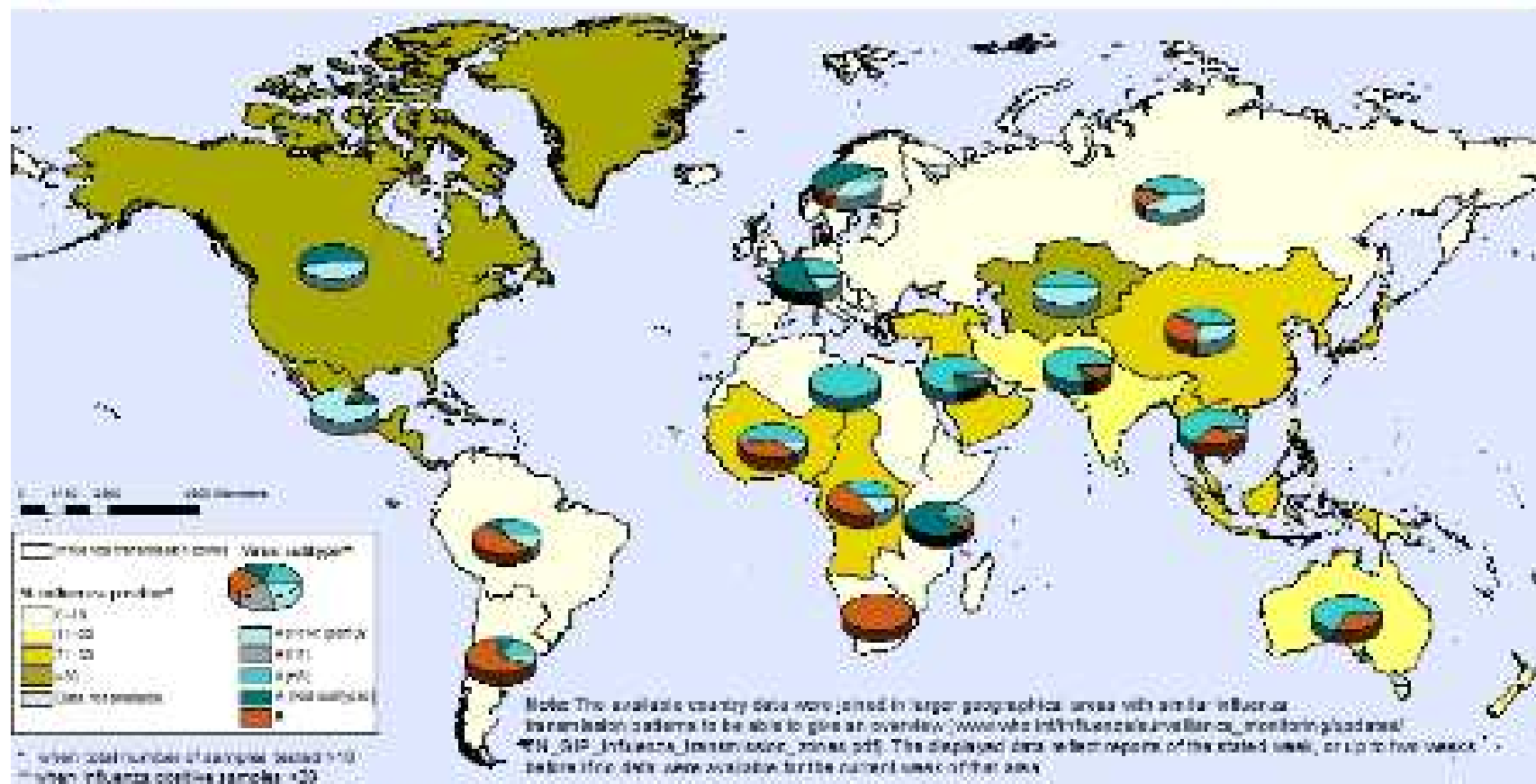
[Downloadable Version](#)

**\*This map indicates geographic spread and does not measure the severity of influenza activity.**



# Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

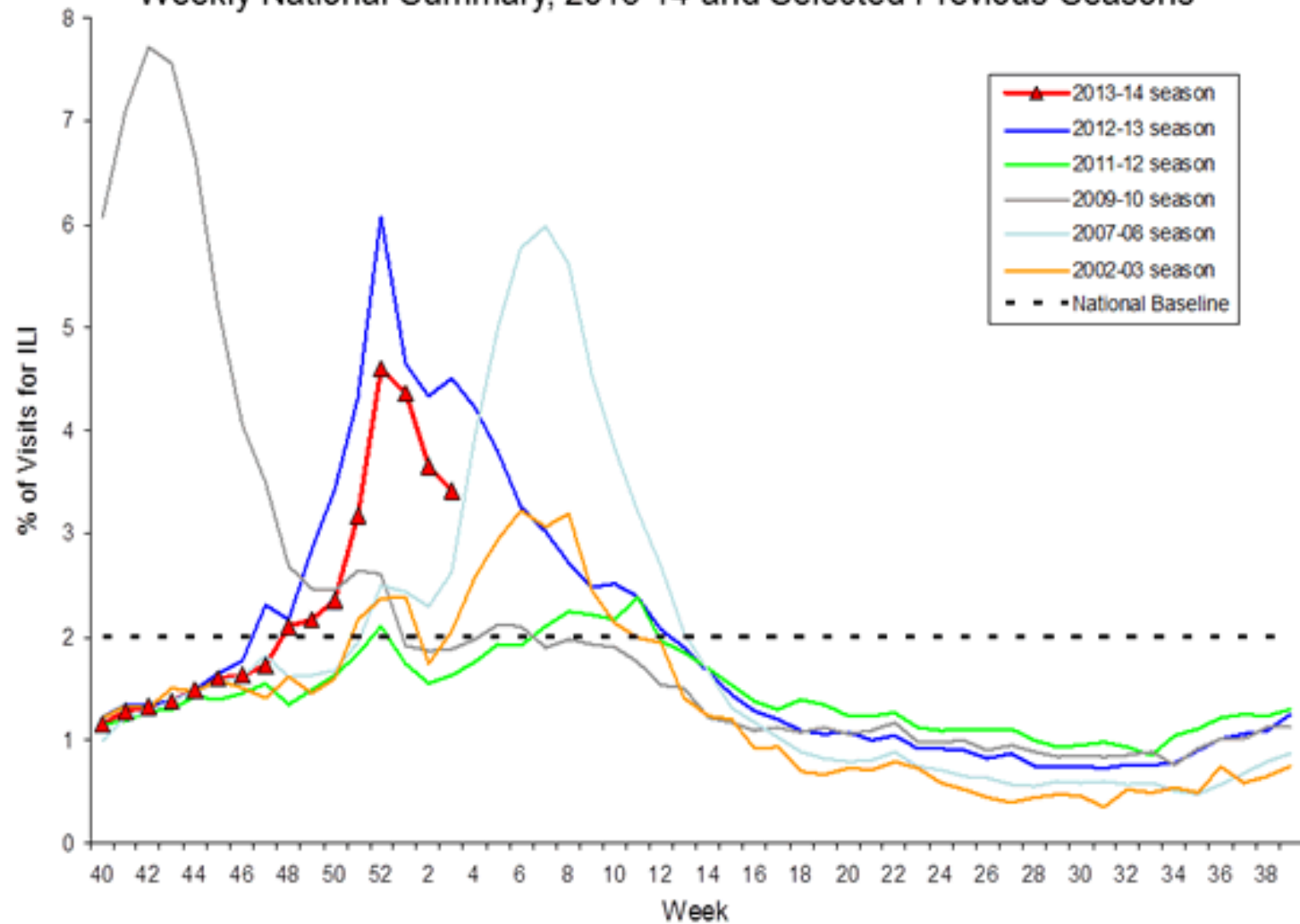
Status as of week 52  
22-28 December 2013



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its boundaries. Information, if needed, and should Governmental agencies and individuals are not responsible for any errors that may not yet be fully agreed upon.

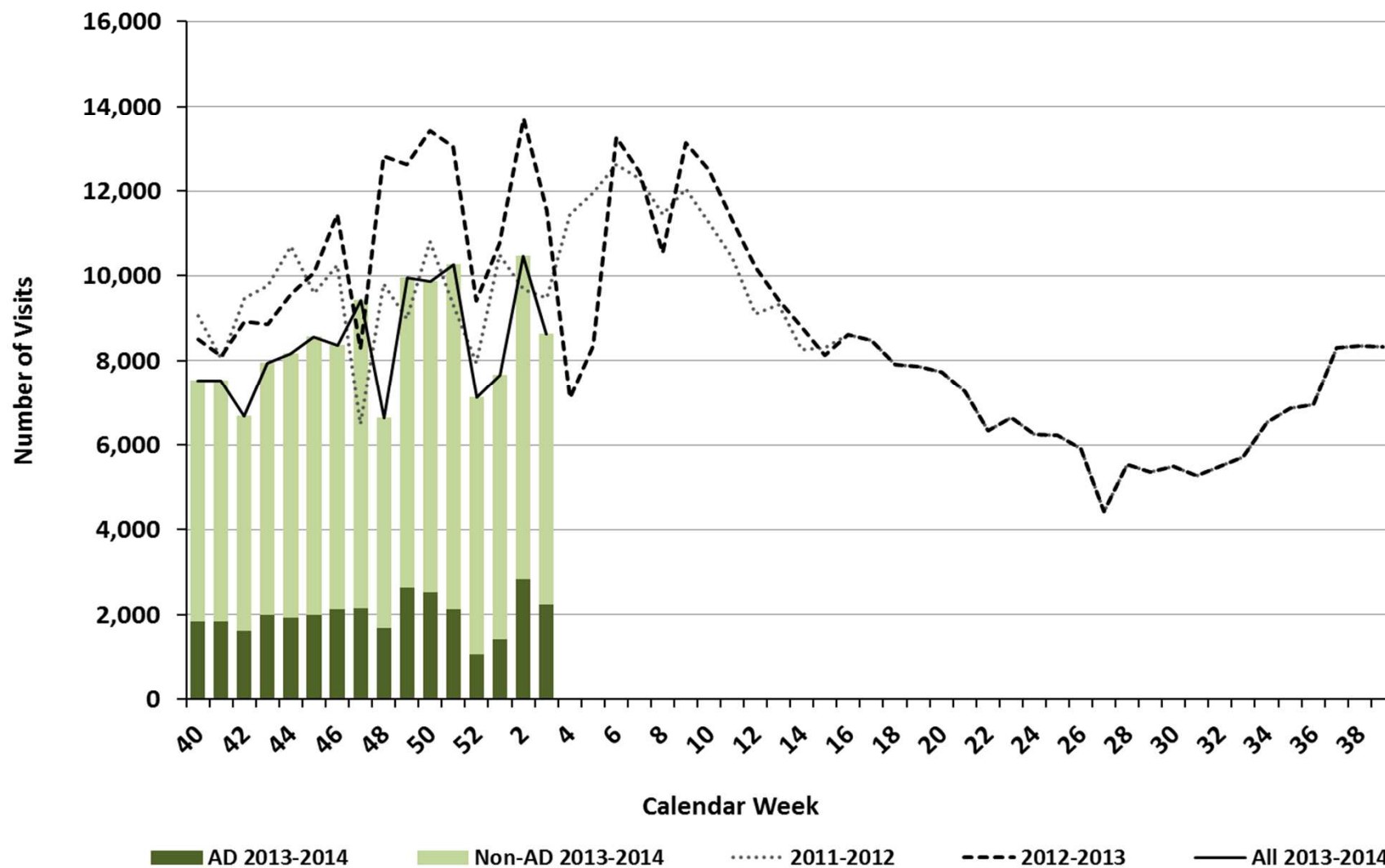
Data Source: WHO/CDC, data in WHO as of 30 January 2014.  
 Data used are from Public domain, Influenza, 2013-14.  
 Copyright: 2014 WHO. All rights reserved. No part of this publication may be reproduced without the written permission of the WHO.

Percentage of Visits for Influenza-like Illness (ILI) Reported by  
the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet),  
Weekly National Summary, 2013-14 and Selected Previous Seasons



## ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

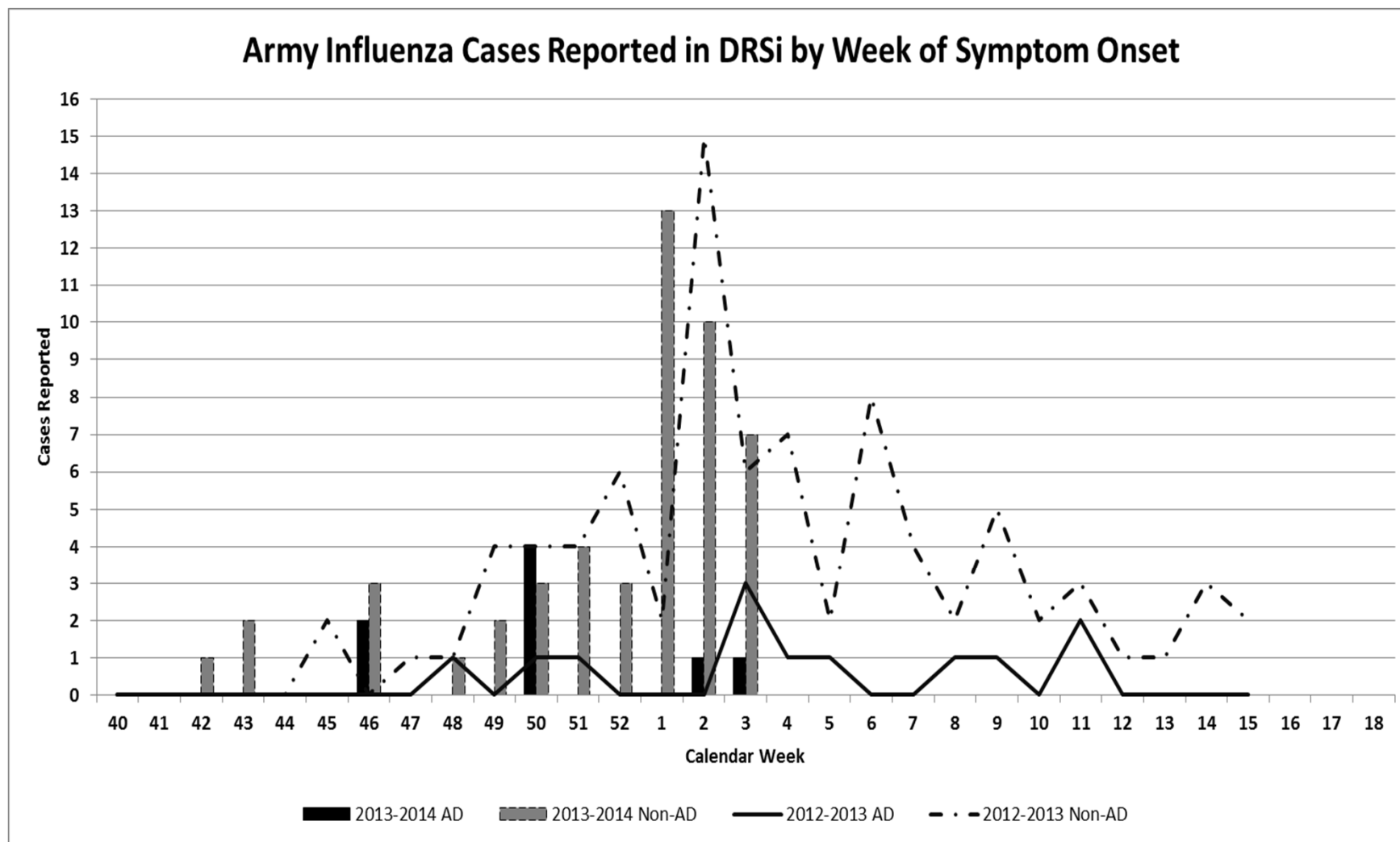
*Army MTFs, All Services, 2010-2014*



*Clinic visits for ILI are obtained from ESSENCE. Data as of 22 January 2014.*

## Army MTF Laboratory Results, 2013-14

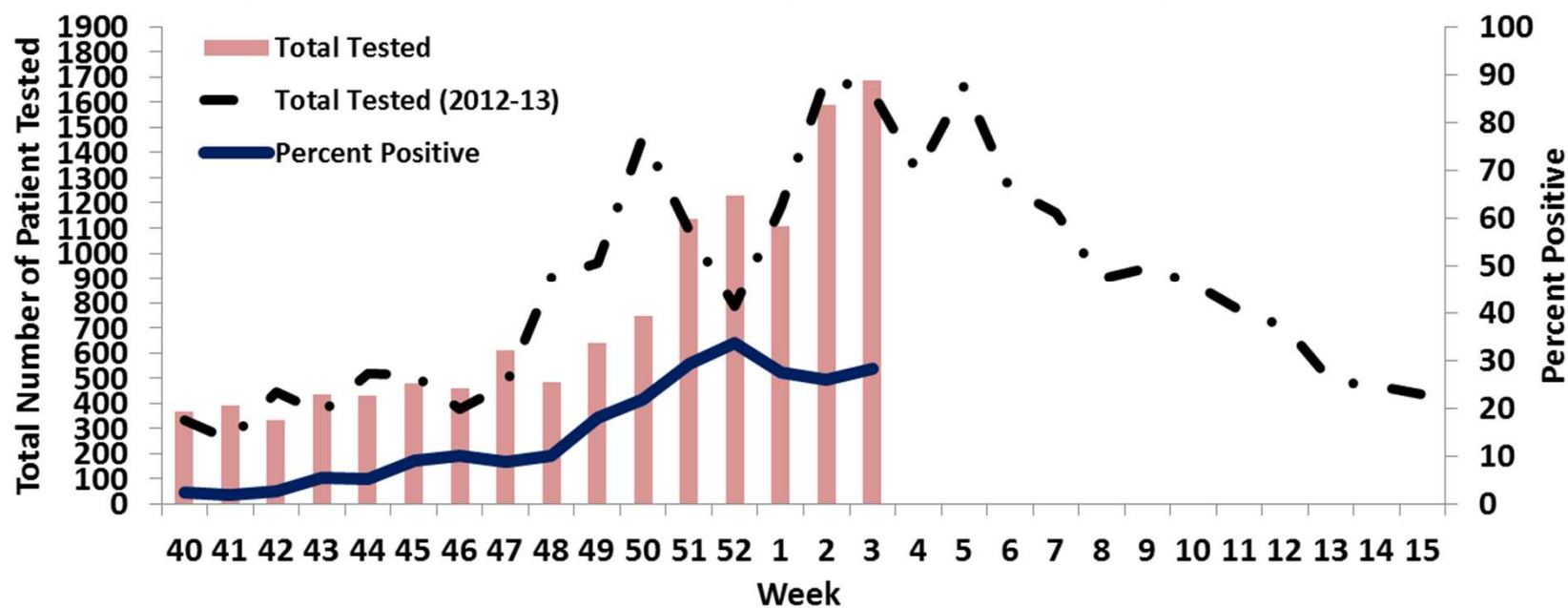
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RSV	75	52	65	77	<b>698</b>
<i>Negative</i>	<i>899</i>	<i>901</i>	<i>1281</i>	<i>1327</i>	<b>10735</b>
<b>Total Results</b>	<b>1408</b>	<b>1277</b>	<b>1790</b>	<b>1904</b>	<b>6379</b>



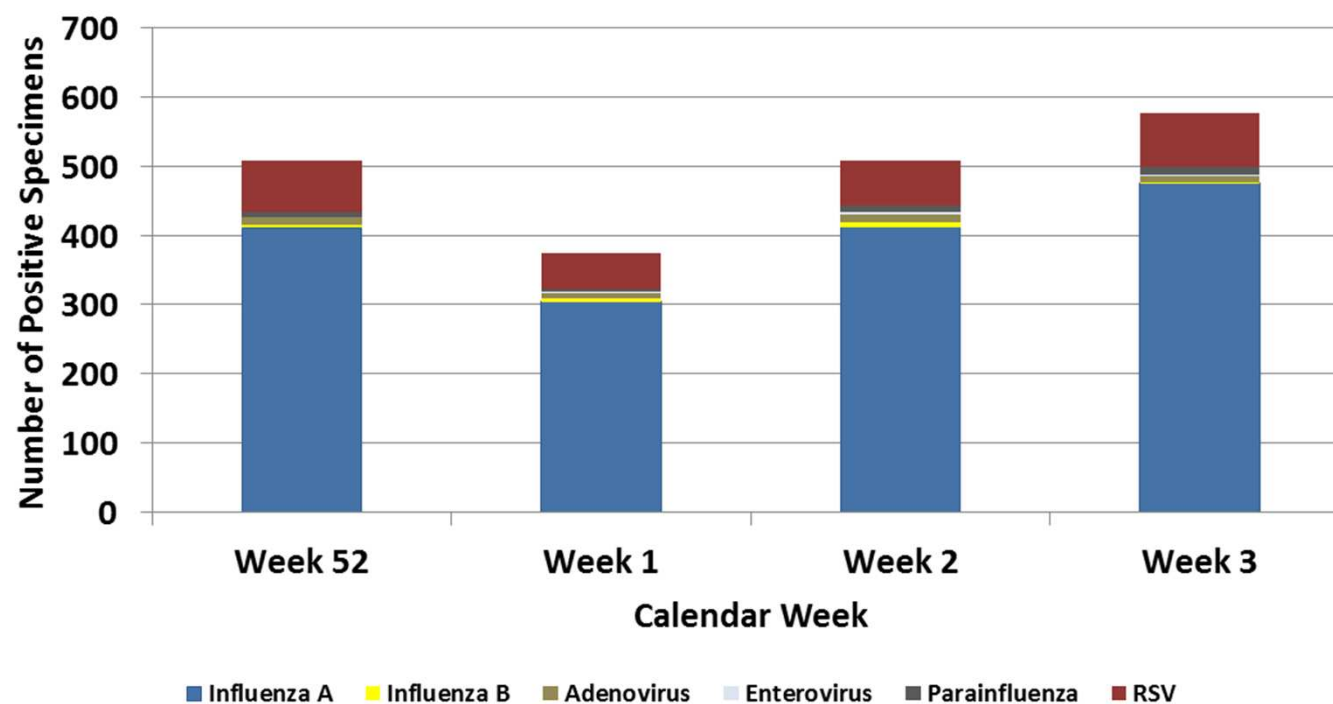
**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
Data as of 22 January 2014.



Proportion of Positive Influenza A Specimens for U.S. Army 2013-2014



## Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region																
Region	Week 48		Week 49		Week 50		Week 51		Week 52		Week 1		Week 2		Week 3	
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PRMC	0	3	0	1	0	1	0	1	0	1	1	5	4	8	2	19
CENTCOM	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0